PRELIMINARY AMENDMENT

- 4. (Amended) The process as claimed in Claim 1, wherein unirradiated (U,Pu)O₂ mixed-oxide nuclear fuel pellets, possibly produced by different manufacturing processes and scrapped, undergo the same pretreatment process as the aforementioned scrap pellets for the purpose of recycling them.
- 5. (Amended) The process as claimed in Claim 1, wherein up to 40% of scrap, with respect to the net production, is incorporated into the aforementioned process for manufacturing fuel pellets.
- 6. (Amended) The process as claimed in Claim 1, wherein up to 100% of scrap is incorporated into said first blend (1).
- 7. (Amended) The process as claimed in Claim 1, wherein a proportion of 99.5%, expressed as mass of PuO₂, of the scraps from the aforementioned process for manufacturing fuel pellets is dry-recycled.
- 8. (Amended) The process as claimed in Claim 1, wherein a ball milling process is used for the micronization (2, 23) of the first blend and/or of the scrap pellets.
- 9. (Amended) The process as claimed in Claim 1, wherein a lubricant is added before pelletizing (6 and 20), preferably zinc stearate.
- 10. (Amended) The process as claimed in Claim 1, wherein the fuel pellets containing scraps and/or the scrap pellets are sintered (7, 21) in an argon and hydrogen atmosphere, preferably at a temperature of between 1670 and 1760°C.



PRELIMINARY AMENDMENT

11. (Amended) The process as claimed in Claim 1, wherein, during sintering (7, 21), the partial pressure of oxygen p_{O2} is adjusted, preferably by humidification, in order to improve the interdiffusion of the PuO_2 and UO_2 oxides.



